

Title (en)
PROCESSES FOR PREPARING POLYOXOMETALATE SALTS FOR USE IN PROTON EXCHANGE MEMBRANES AND FUEL CELLS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON POLYOXOMETALAT-SALZEN ZUR VERWENDUNG IN PROTONEN-AUSTAUSCH-MEMBRANEN UND BRENNSTOFFZELLEN

Title (fr)
PROCÉDÉS DE PREPARATION DE SELS DE POLYOXOMETALATE A UTILISER DANS DES MEMBRANES ECHANGEUSES DE PROTONS ET DES PILES A COMBUSTIBLE

Publication
EP 3197906 C0 20231025 (EN)

Application
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Priority
EP 2014070697 W 20140926

Abstract (en)
[origin: WO2016045754A1] Described herein is an organic-inorganic hybrid compound comprising a salt of an organic cation with a polyoxometalate anion, comprising a stoichiometric ratio of organic cation to polyoxometalate anion. More specifically the following formulae (I) - (IV) describe the organic cations: Also described are methods of making an organic-inorganic hybrid compound; a precursor composition; methods of making a precursor composition; a nanocomposite proton-exchange membrane; methods of making a nanocomposite proton-exchange membrane; a membrane-electrode assembly; methods of making a membrane-electrode assembly; a fuel cell; and associated uses.

IPC 8 full level
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